

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, ILLINOIS 60604**

**DATE:** January 11, 2016

**SUBJECT:** CLEAN AIR ACT INSPECTION REPORT  
McWane Ductile, Coshocton, Ohio

**FROM:** Marie St. Peter, Environmental Engineer  
AECAB (MN/OH)

**THRU:** Brian Dickens, Section Chief  
AECAB (MN/OH)

**TO:** File

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**BASIC INFORMATION**

**Facility Name:** McWane Ductile

**Facility Location:** 2266 South Sixth Street, Coshocton, Ohio 43812

**Date of Inspection:** December 9, 2015

**Lead Inspector:** Marie St. Peter, Environmental Engineer

**Other Attendees:**

1. Virginia Galinsky, US EPA Environmental Engineer
2. Heather Rainwater, McWane Ductile Environmental Manager
3. Eric Squire, Assistant Environmental Manager

**Purpose of Inspection:** Follow-Up Clean Air Act Inspection Regarding Fugitive Visible Emissions

**Facility Type:** Foundry

**Regulations Central to Inspection:** Title V Permit

**Arrival Time:** 10:00 AM EST

**Departure Time:** 12:00 PM EST

**Inspection Type:**

- ☒ Unannounced Inspection  
☐ Announced Inspection

**OPENING CONFERENCE**

- ☒ Credentials Presented  
☒ CBI warning to facility provided

The following information was obtained verbally from Heather Rainwater unless otherwise noted.

**TOUR INFORMATION**

EPA toured the facility: No

**Data Collected and Observations:**

Ms. Galinsky and I first went inside the semi-enclosed building that housed the furnace to look at fugitive visible emissions (VE) escaping from the furnace due to the movement of an automatic arm on the furnace during melt charging. Up-close photos of the aforementioned fugitive VEs were taken, but were claimed to be confidential business information (CBI) by Ms. Rainwater. Afterwards we observed the furnace charging and the fugitive VEs escaping under the roof of the building and into the atmosphere for approximately 40 minutes.

**Field Measurements:** were taken during this inspection.

Opacity photos of fugitive VE escaping the furnace were taken. McWane Ductile claimed these photos to also be CBI.

**RECORDS REVIEW**

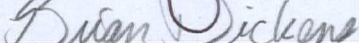
No records were reviewed on site.

**CLOSING CONFERENCE**

No closing conference was held.

**SIGNATURES**

Lead Inspector:  Date: 1/29/16

Section Chief:  Date: 1/29/16

## **APPENDICES AND ATTACHMENTS**













# VISIBLE EMISSION OBSERVATION FORM

Method Used Method 9		
Equipment Owner N/A		
Facility Name McWane Ductile		
EO Street Address		
EO City N/A	EO State NA	EO Zip N/A
Process N/A	Unit N/A	Operating Mode N/A
Control Equipment N/A		Operating Mode N/A

Describe Emission Point Fugitive VEs exiting under roof of Shroud			
Height of Emiss. Pt. Start 24.87 End Same		Height of Emiss. Pt. Rel. to Observer Start 20.87 End Same	
Distance to Emiss. Pt. Start 215.18 End Same		Direction to Emiss. Pt. (Degrees) Start 241.83 End Same	

Vertical Angle to Obs. Pt. Start 4.94 End Same		Direction to Obs. Pt. Start 241.43 End Same	
Distance and Direction to Observation Point from Emission Point Start 43.42 / 300.66 End Same			

Describe Emissions VEs due to charging of Start furnace in shroud End Same			
Emission Color Start Dust End Same		Water Droplet Plume Attached: ( ) Detached: ( ) N/A: ( X )	

Describe Plume Background Start Heavy overcast. End Same			
Background Color Start Gray End Same		Sky Conditions Start Overcast End Same	
Wind Speed Start 7 End Same		Wind Direction Start 225 End Same	
Ambient Temp. Start 46 End Same	Wet Bulb Temp. Start 39 End Same	RH Percent Start 76 End Same	



Longitude 081.51.37.526 W	Latitude 40.14.51.579 N	Declination
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Notes Photos are of fugitive visible emissions exiting under the shroud	
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Form Number					Page Of					
Continued on VEO Form Number										
Observation Date 12/8/2015					Time Zone CST		Start Time 10:43:04		End Time 11:36:33	
Comments										
1	5	15	5	5						
2	5	5	5	5						
3	5	5	5	5	Avg. Opacity = 8.958					
4	5	5	N/A	0						
5	5	5	5	10						
6	5	15	5	5						
7	5	5	10	5						
8	10	5	5	5						
9	5	10	80	5						
10	5	0	5	5						
11	5	5	5	5						
12	10	10	5	5						
13	5	5	5	5						
14	5	5	5	5						
15	15	5	5	5						
16	5	5	5	15						
17	10	20	10	5						
18	5	10	5	15						
19	0	10	5	5						
20	5	5	5	5						
21	5	5	5	10						
22	5	5	5	5						
23	5	5	5	5						
24	5	5	5	5						
25	10	5	5	5						
26	5	10	5	5						
27	0	5	5	5						
28	10									
29										
30										
31										
32										

Observers Name (Print) Observer Five	
Observers Signature Observer Five	Date 12/15/2015
Organization USEPA Region 5	
Certified By Observer One	Date 12/18/2015

**Source**

Name: McWane Ductile  
Address: 2266 South Sixth Street  
City: Coshocton  
State: OH  
Zip: 43812  
Phone:  
Local ID:

**Regulatory**

Permit ID:  
Condition:  
Regulatory Reference:

**Process**

Process: N/A  
Unit: N/A  
Operating Mode: N/A

**Complaint**

Name:  
Address:  
City:  
State: NA  
Zip:

**Equipment**

Name: Shroud

**Type of Inspection**

Type of Inspection: Followup

**Sun**

Altitude: 26.5  
Azimuth: 170.7  
Data Source: Calculated

**Map Information**

Map Type: USGSDRG  
Map Width: 1004

**Analysis**

Averaging Type: Manual  
Method: Method 9  
Number of Images: 24  
Rolling High Count: 24  
Seconds Between Images: 15  
Who Created: DOCS II  
Creation Date: 9/22/2011

Analyst Name: Allison Dolan  
Affiliation: Virtual Technology 301 Campaign  
Comments:







